



Weekly Construction Report

Hatchery Creek Design/Build Project



Time Period:	September 21-26, 2015	Project No:	1305
Rain Days/Weather Conditions:	No rain this week.		
Personnel on-site:	<i>EcoGro/Ridgewater:</i> Tom Cutter, Eric Dawalt, Larry Mounce, Brad Redmon, Chad Relinski, Randall "Mokie" Starns, Randall Starns, Jr., Sherri Arthur Trucking-John Arthur.		
Equipment on-site:	Komatsu PC 360 excavator w/ hyd. thumb, Komatsu PC 160 w/ hyd. thumb, Komatsu PC 210 excavator, Komatsu PC 240 excavator, Terex TA27 articulated off-road dump truck, & Bobcat T300 skid steer (mobilized Wednesday).		
Material deliveries to project site:	<ul style="list-style-type: none"> 4 rolls of 700 g/SY woven coconut coir erosion control blanket (ECB) and wooden stake. 		
Work performed the past week:	<ul style="list-style-type: none"> Site #3/Step Pool Reach ~Sta. 154+000 to 160+50: <ul style="list-style-type: none"> Finish graded topsoil on slopes and installed wood as organic carbon soil amendment. Built floodplain berm at head of step pools on Right Descending Bank (RDB). Site #2/ ~Sta. 141+00 to 147+00: <ul style="list-style-type: none"> Finished adding spawning gravel to all riffles. Constructed riffle at downstream end of Wetlands E to raise water table and enhance wetlands. Finish graded stockpiled topsoil and spread wood on Left Descending Bank (LDB) from ~Sta. 141+80 to 146+77. Built low water crossing riffle at 143+30. Site #1/FDS Reach ~ Sta. 118+40 to 127+00: <ul style="list-style-type: none"> Hauled ~1400 CY of topsoil from Site #3 and stockpiled on slopes to amend poor quality soil. Braided Reach/ Wetlands Re-establishment Area #1/ ~Sta. 110+00 to 113+00: <ul style="list-style-type: none"> Excavated and built left braid from 110+00 to 113+00. Reach downstream of migration barrier /~Sta. 106+00 to 110+00: <ul style="list-style-type: none"> Excavated channel from 107+70 to 110+00 and built wood/rock toe in pool at 108+60. Installed and tracked in soil to start building confluence bar downstream of bridge. Hauled soil to, and installed in ravine at ~Sta. 3+60. 		
Erosion & sediment controls installed/maintained:	<ul style="list-style-type: none"> ❖ Channel at Site #3 has been lined with rock up to at least 5' deep on sides of channel. ❖ Installed ~18 rolls of ECB on banks below elevation 565' and 561", on left and right slopes, respectively. ❖ Installed seed and straw on Site #2 and #3 where it was finish graded. 		
Work scheduled for next week:	<ul style="list-style-type: none"> ✦ Build diversion swale at top of RDB of Site #3. ✦ Install step pools from 154+00 to 154+40. ✦ Build floodplain berm, rock funnel and channel at head of step pools. ✦ Finish channel from 107+70 to 110+00. 		
Work planned for two weeks ahead:	<ul style="list-style-type: none"> ✦ Build confluence berm downstream of bridge and migration barrier. 		
General Comments:	<ul style="list-style-type: none"> ➤ The USACE Nashville District ran a maximum of two generators and two sluices this week. We are working above that water level. 		
Prepared by: Eric Dawalt, P.E.	Date: 9-26-2015		



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Pictures from this week's construction:



Site #3: Installing erosion control blanket (ECB) on slopes above step pool rock channel. (Picture taken at Cumberland River bank looking upstream).



Site #2: Completed channel with seed and straw installed and wood added on top as organic carbon soil amendment. (Picture taken looking upstream from ~ Sta. 147+00).



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Site #2: Constructed riffle with boulders, rootwads, and spawning gravel throughout. (Picture taken at ~Sta. 144+80 looking upstream).



Site #1: ~1400 CY of topsoil was stockpiled on the slopes to cover the poor soil. (Picture taken from Campground Road at ~Sta. 118+00 looking downstream).



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Reach downstream of migration barrier: Excavated channel in existing forest. Wolf Creek Dam can be seen in the background. (Picture taken looking upstream from ~ Sta. 109+50).



Installing rootwads as part of wood/rock toe bank structure. (Picture taken looking upstream from ~ Sta. 109+50).



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Installing rock on, and behind, rootwads as part of wood/rock toe bank structure. (Picture taken looking upstream from ~ Sta. 109+00).



Another view of installing rock on, and behind, rootwads as part of wood/rock toe bank structure. (Picture taken looking downstream from ~ Sta. 108+20).



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Left braid excavated and constructed in Wetlands Re-establishment Area 1. (Picture taken from top of floodplain berm looking upstream from ~ Sta. 112+00).



Constructed riffle at downstream end of Wetlands E to raise water table and enhance wetlands function.